

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G02B5/20 H01S5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DUDOVICH N ET AL: "ACTIVE SEMICONDUCTOR-BASED GRATING WAVEGUIDE STRUCTURES" IEEE JOURNAL OF QUANTUM ELECTRONICS, IEEE INC. NEW YORK, US, vol. 37, no. 8, August 2001 (2001-08), pages 1030-1039, XP001111724 ISSN: 0018-9197 paragraph '000V!; figure 2 -----	1-7, 9-15
X	US 5 337 183 A (ROSENBLATT DAVID) 9 August 1994 (1994-08-09) column 8, line 54 - column 9, line 22; figure 5 ----- -/-	1-7, 9-15

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

28 July 2004

Date of mailing of the International search report

05/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax (+31-70) 340-3016

Authorized officer

Jobst, B

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 0130, no. 50 (P-823), 6 February 1989 (1989-02-06) & JP 63 244004 A (SEIKO EPSON CORP), 11 October 1988 (1988-10-11) cited in the application abstract -----	7-15
X	US 5 193 130 A (ASADA JUNICHI ET AL) 9 March 1993 (1993-03-09) cited in the application column 2, line 60 - column 3, line 14; figure 2 -----	7-15
A	US 6 215 928 B1 (FRIESEM ASHER A ET AL) 10 April 2001 (2001-04-10) cited in the application figures 4,5 -----	7-15
A	WO 02/084824 A (CHROMAPLEX INC) 24 October 2002 (2002-10-24) the whole document -----	1-6

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/14917

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5337183	A	09-08-1994	US	5157537 A		20-10-1992
JP 63244004	A	11-10-1988	NONE			
US 5193130	A	09-03-1993	DE	68919208 D1		08-12-1994
			DE	68919208 T2		08-06-1995
			EP	0387354 A1		19-09-1990
			WO	9001722 A1		22-02-1990
			JP	7048096 B		24-05-1995
			KR	9404570 B1		25-05-1994
US 6215928	B1	10-04-2001	EP	0898799 A2		03-03-1999
			WO	9744686 A2		27-11-1997
			IL	126817 A		23-12-2001
			JP	3527513 B2		17-05-2004
			JP	2000514566 T		31-10-2000
WO 02084824	A	24-10-2002	WO	02084824 A1		24-10-2002
			US	2002146054 A1		10-10-2002

BEST AVAILABLE COPY